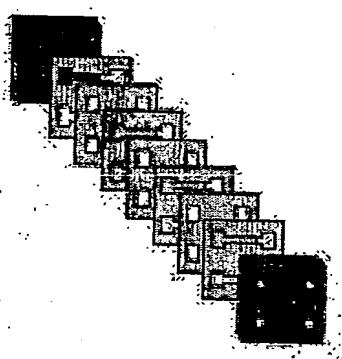


FIG. 1



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FIG. 2

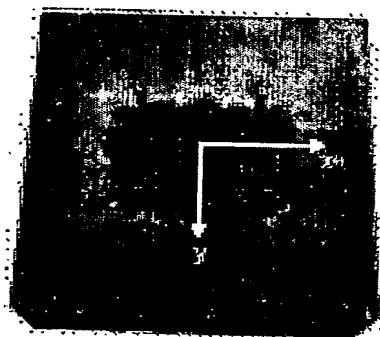


FIG. 3

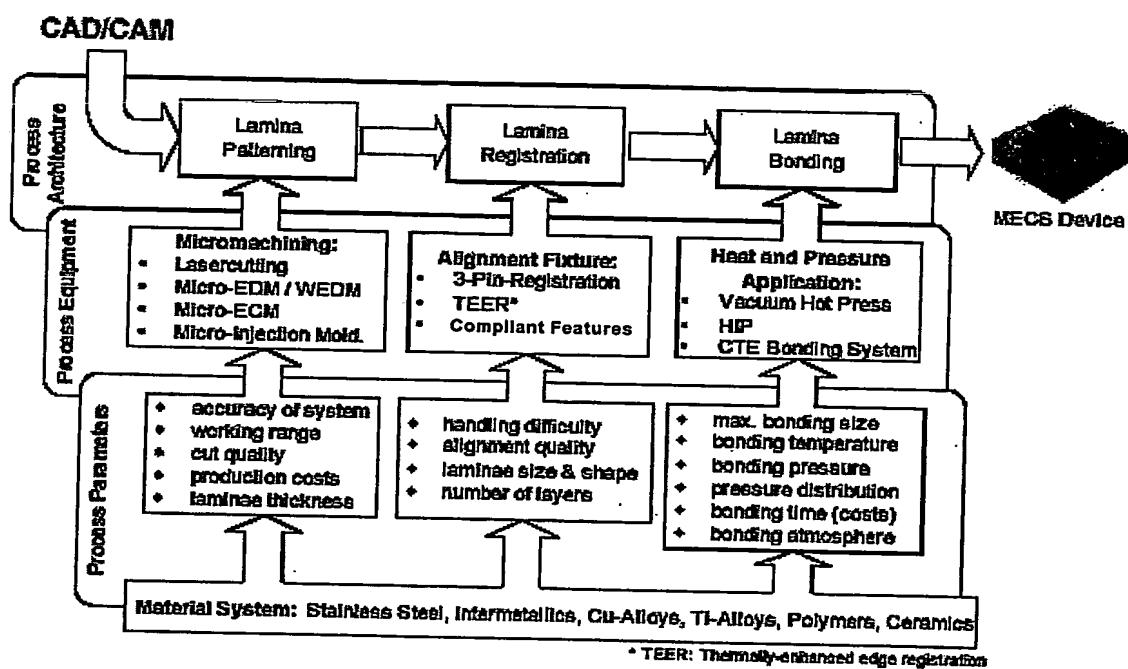


FIG. 4



FIG. 5

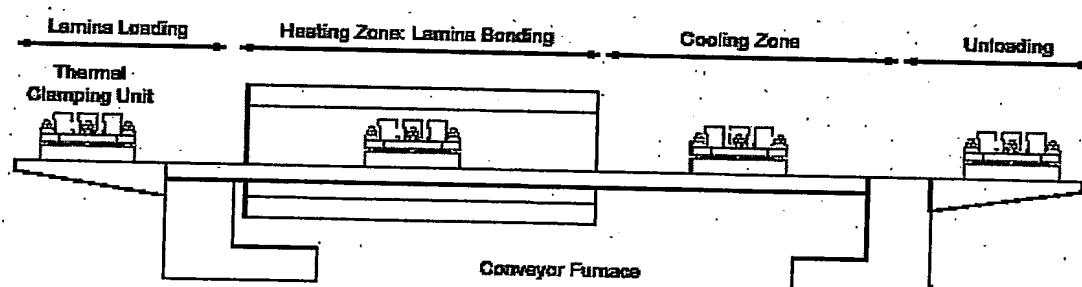


FIG. 6

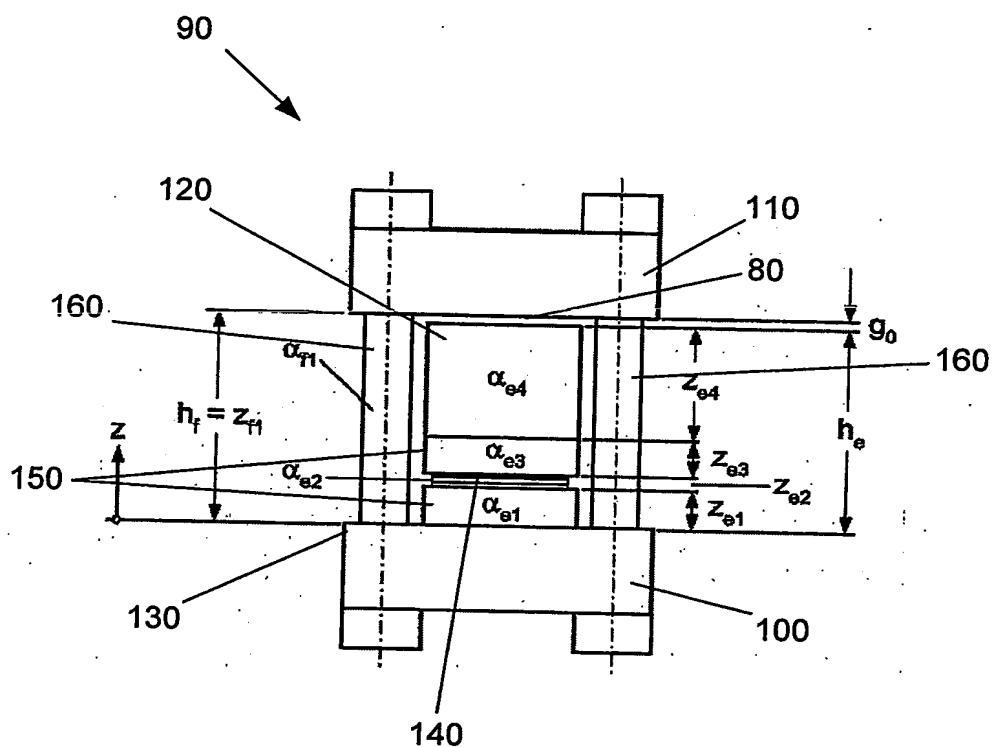


FIG. 7

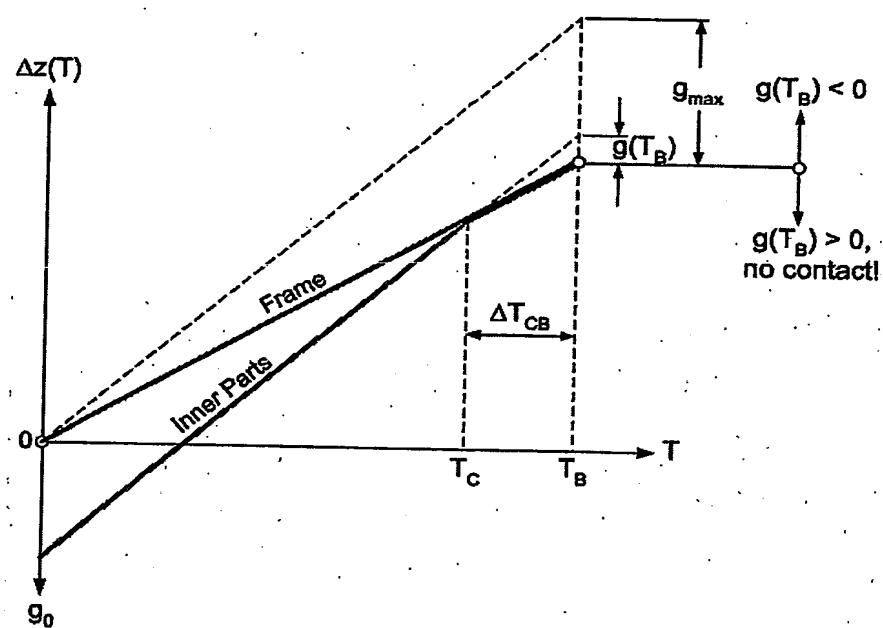


FIG. 8

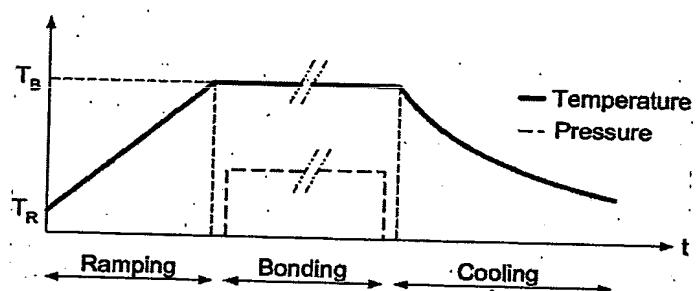


FIG. 9

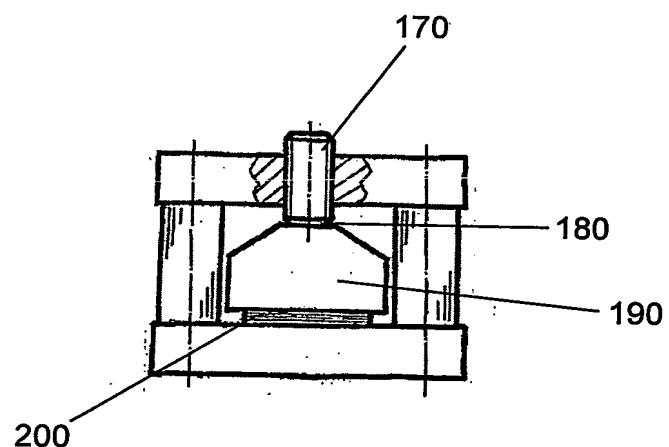


FIG. 10

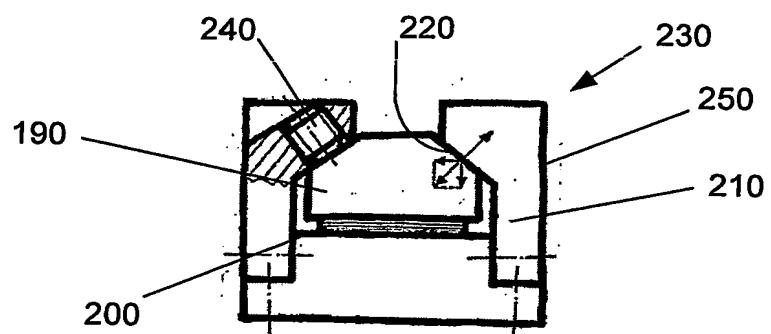


FIG. 11

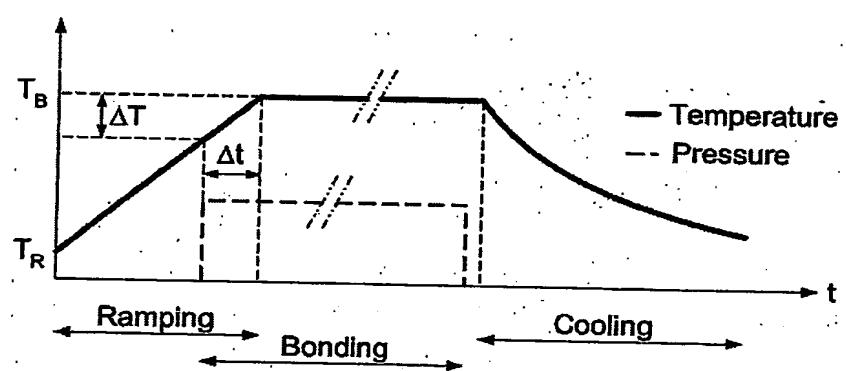


FIG. 12

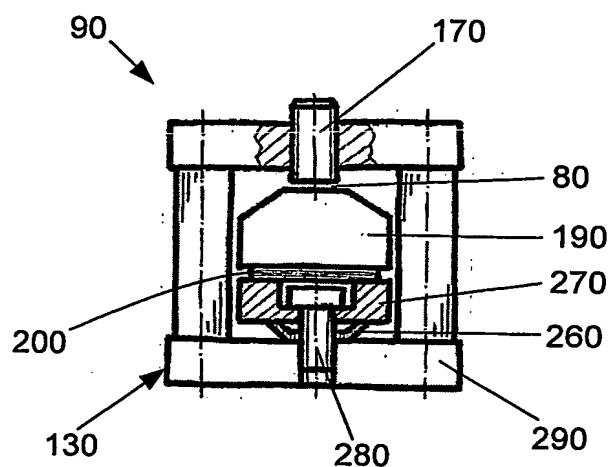


FIG. 13

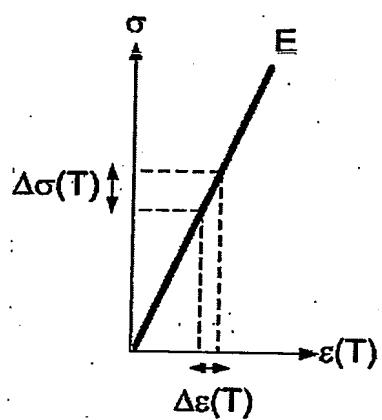


FIG. 14

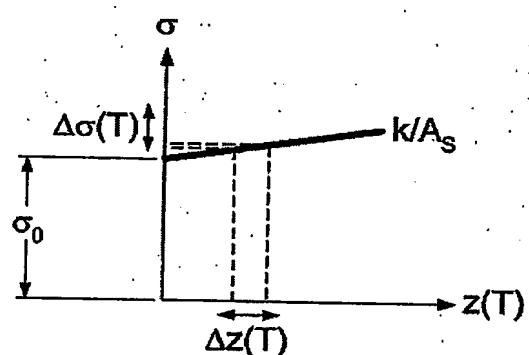


FIG. 15

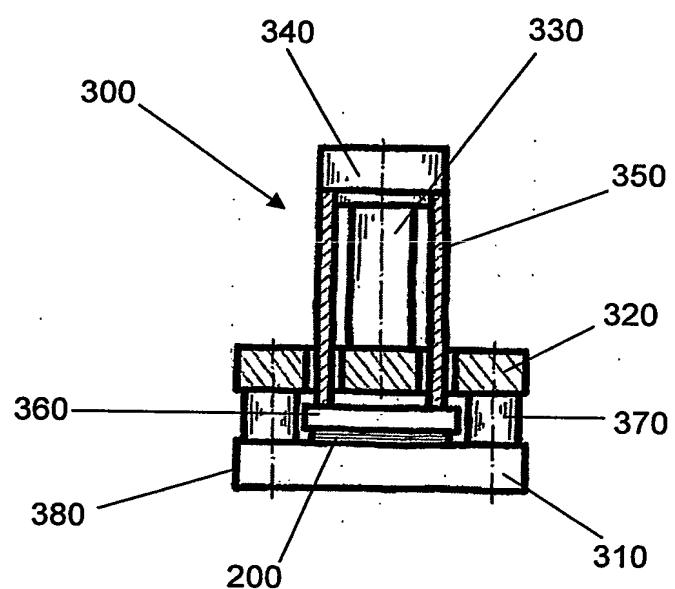


FIG. 16a

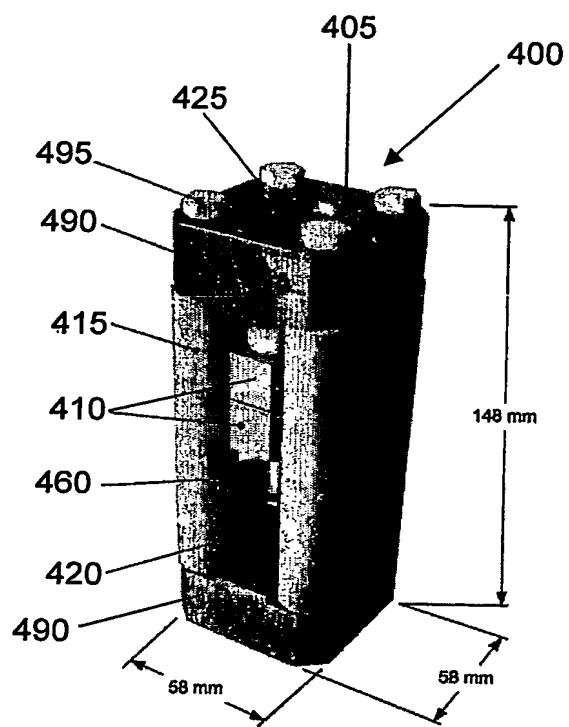


FIG. 16b

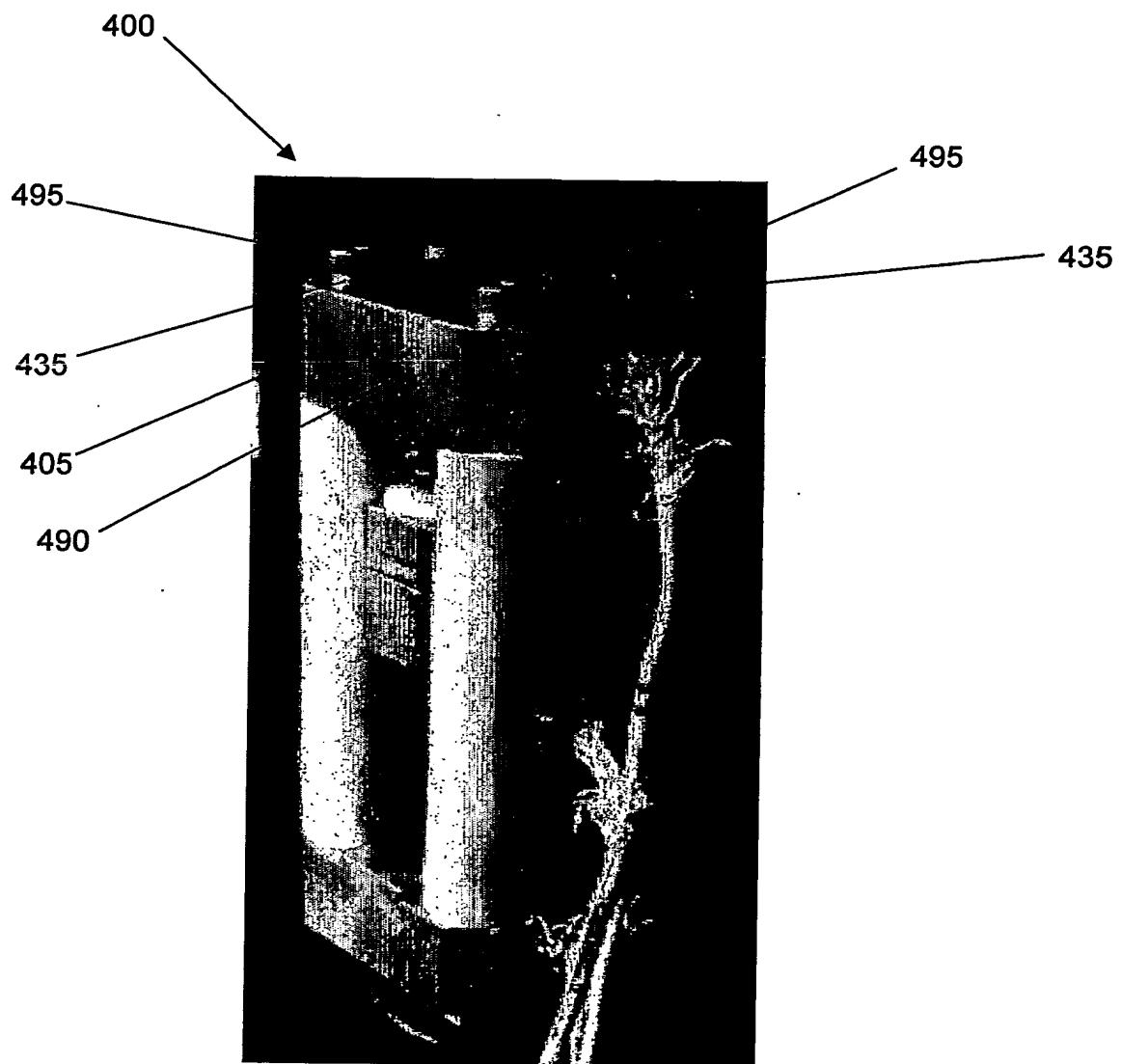


FIG. 17

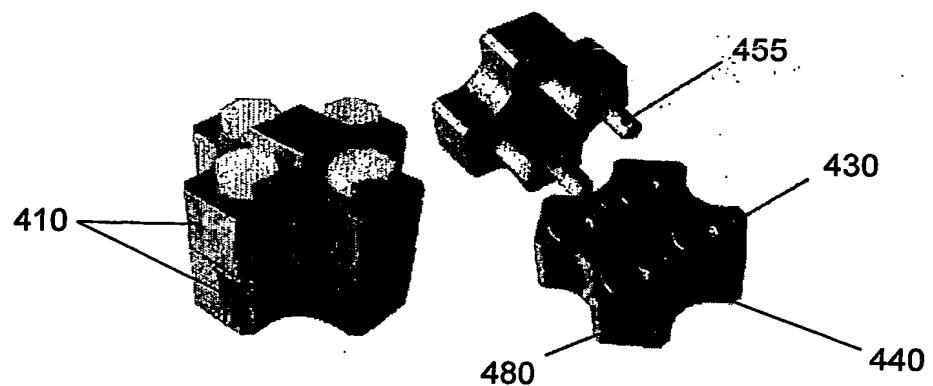


FIG. 18

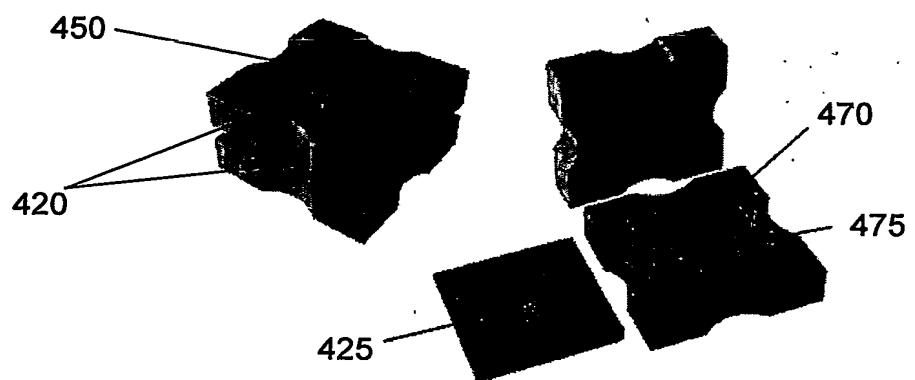


FIG. 19

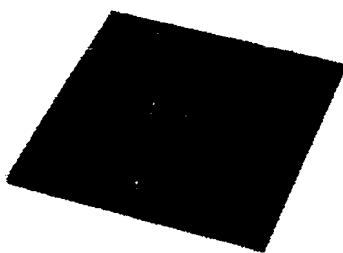


FIG. 20

Means and 95.0 Percent Confidence Intervals

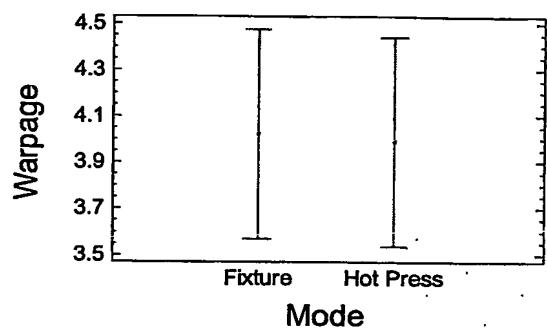


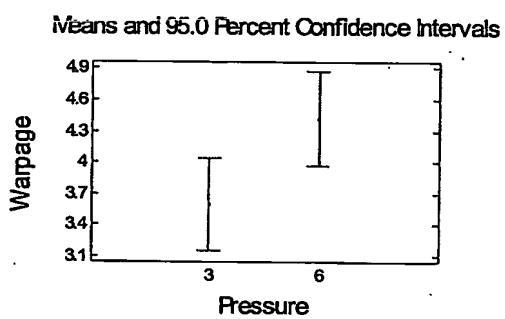
FIG. 21

FIG. 22

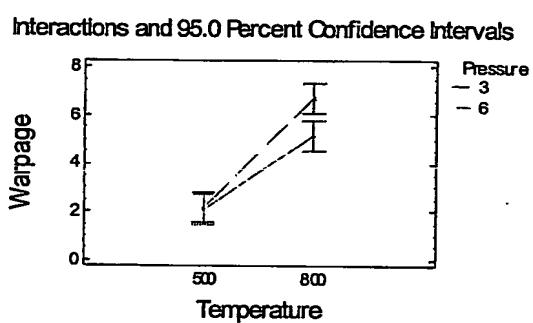


FIG. 23

Interactions and 95.0 Percent Confidence Intervals

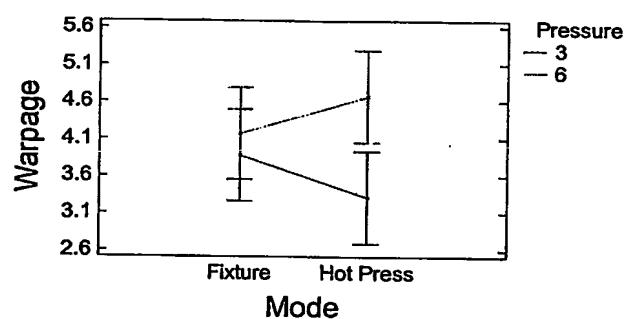


FIG. 24

FIG. 25

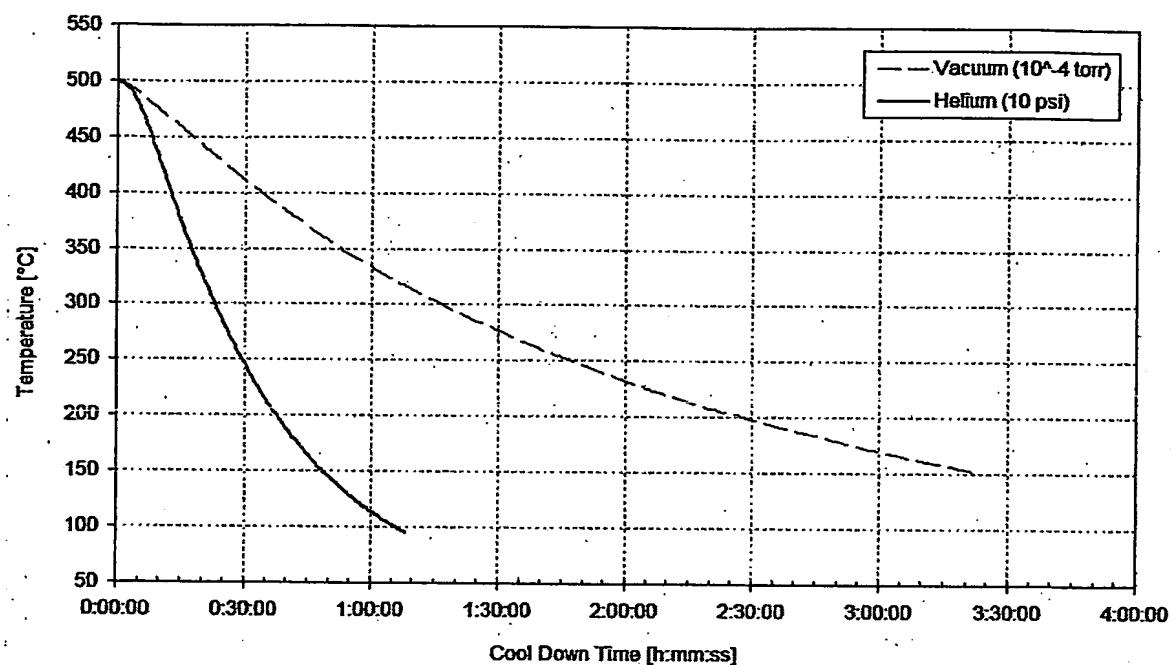


FIG. 26

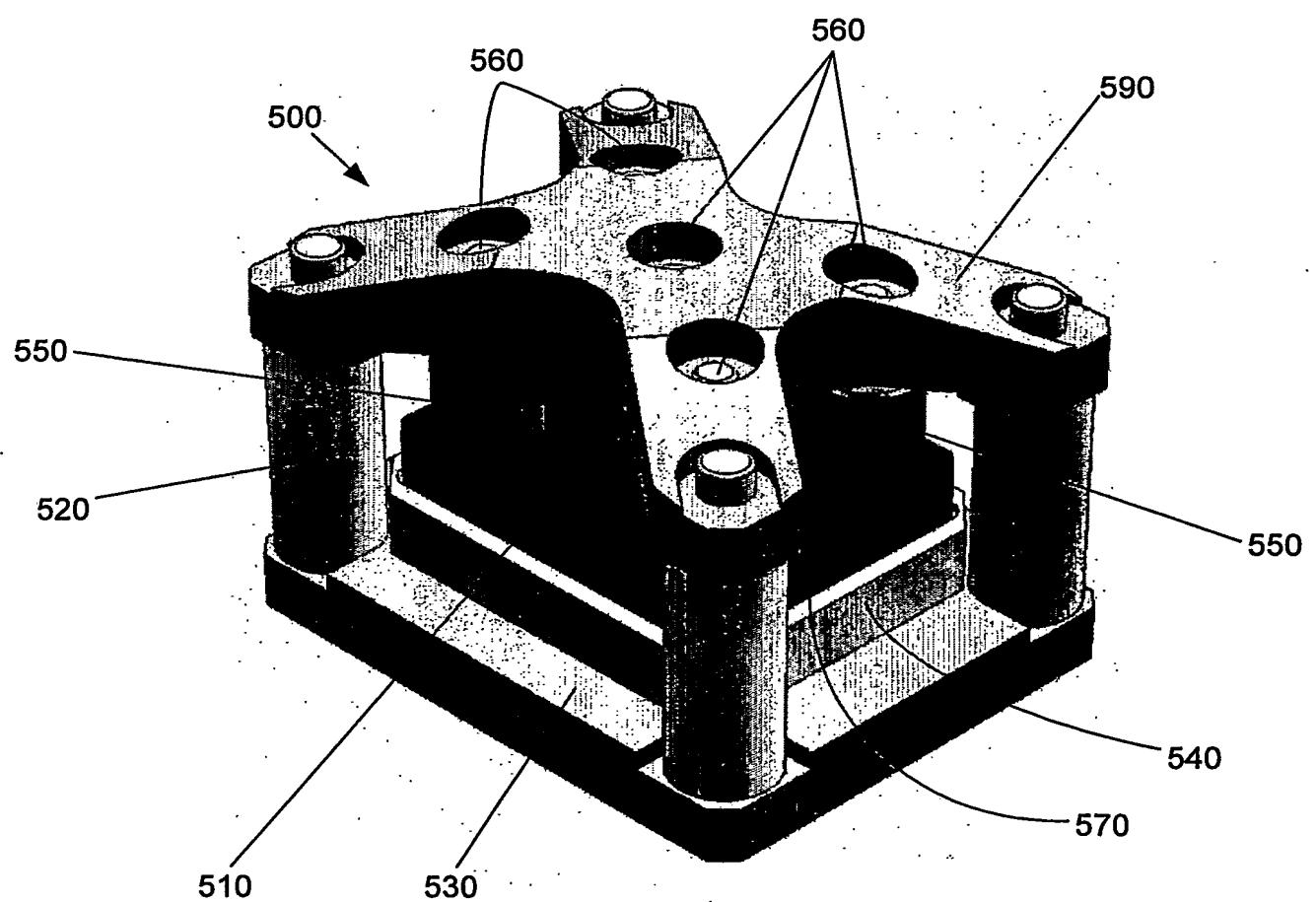


FIG. 27

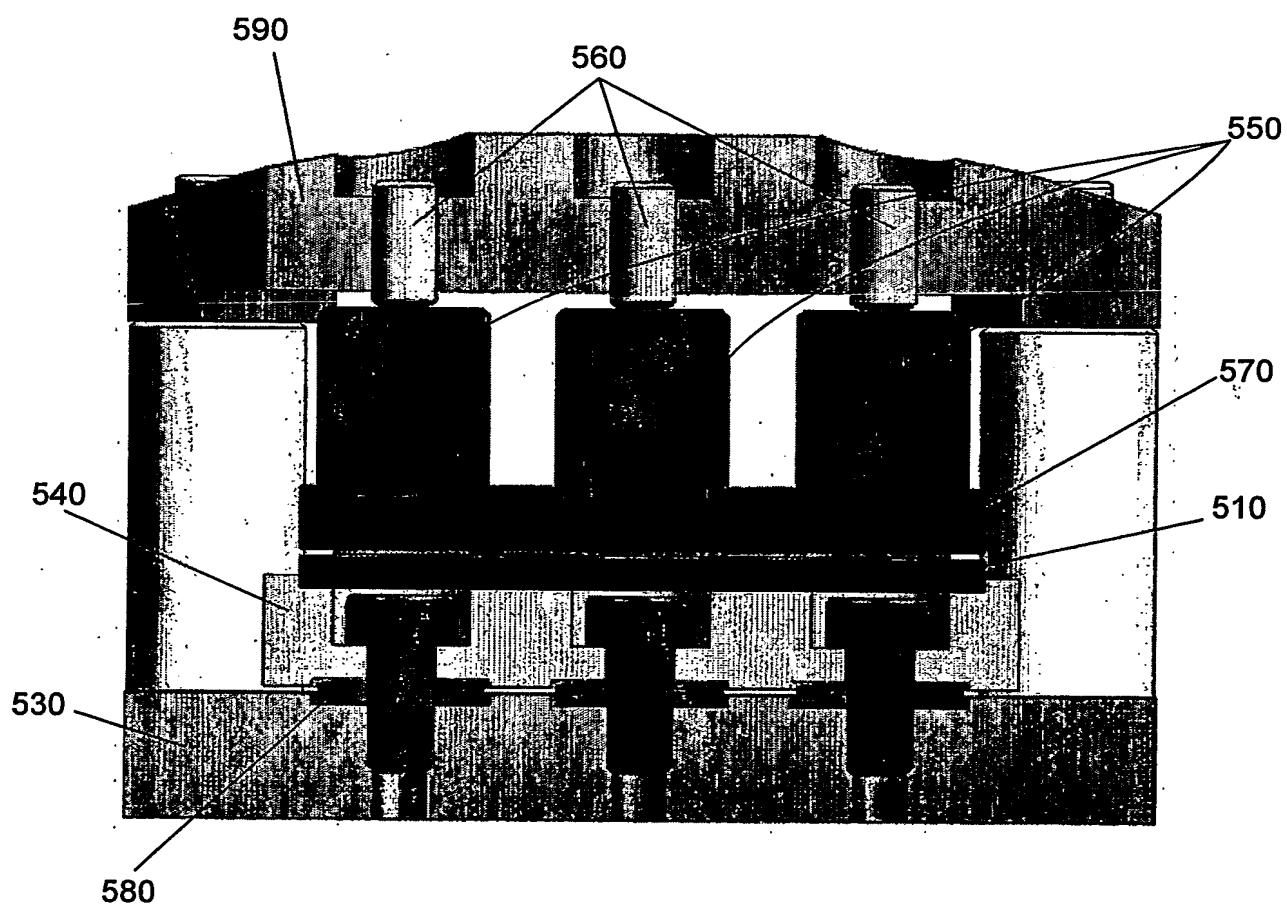


FIG. 28

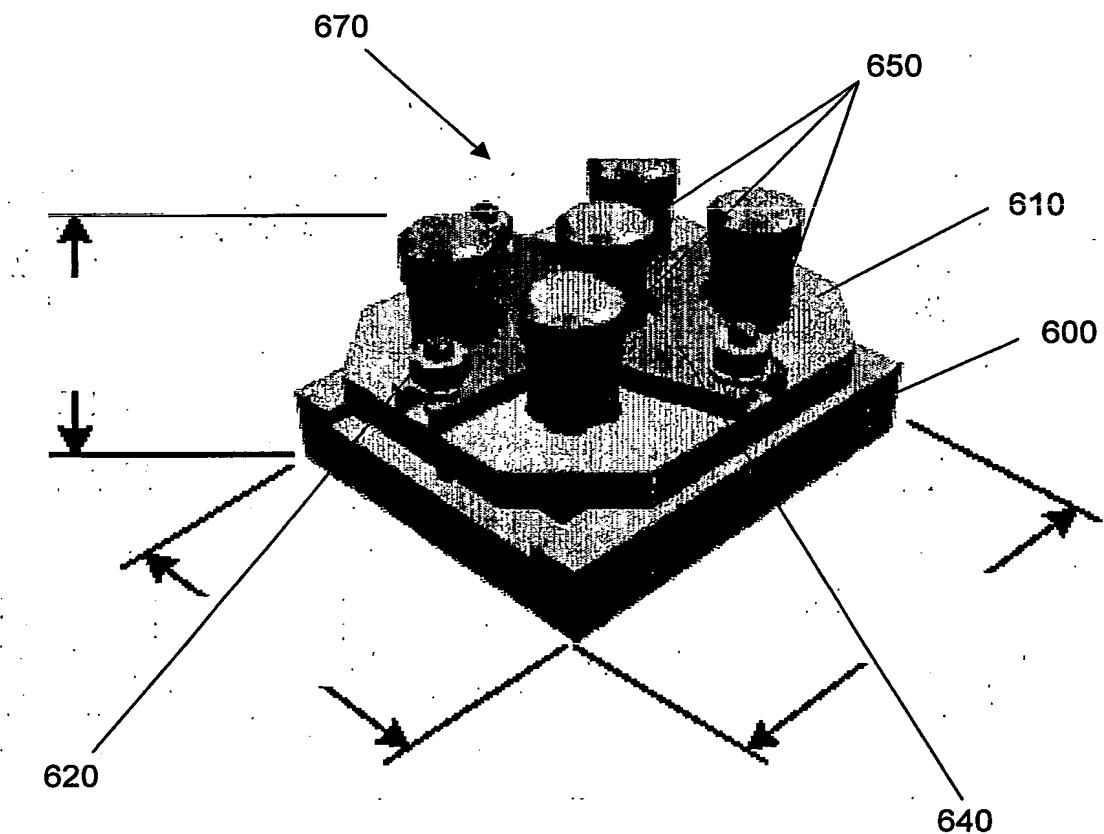


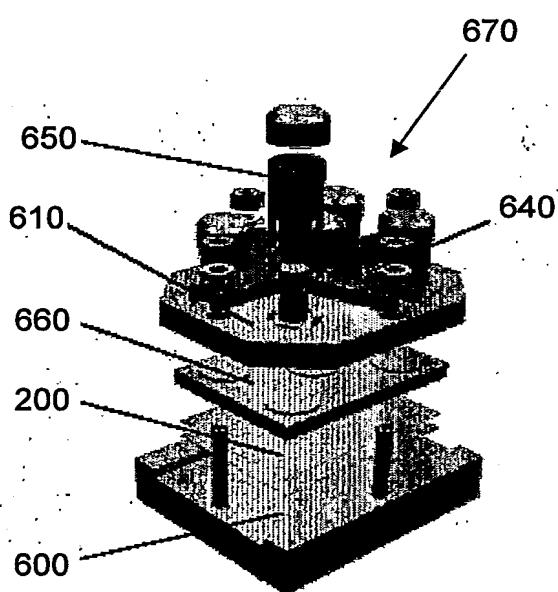
FIG. 29

FIG. 30

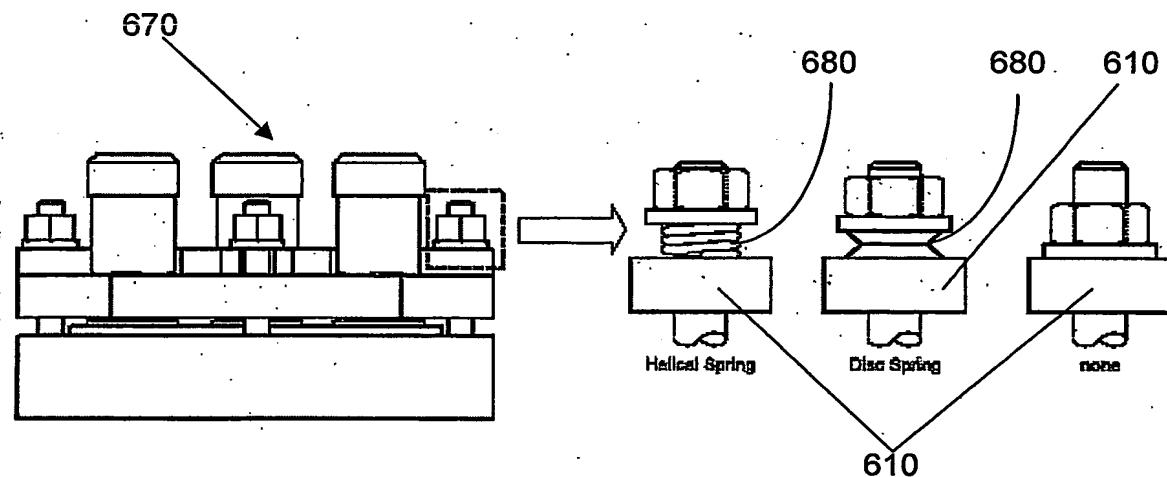


FIG. 31

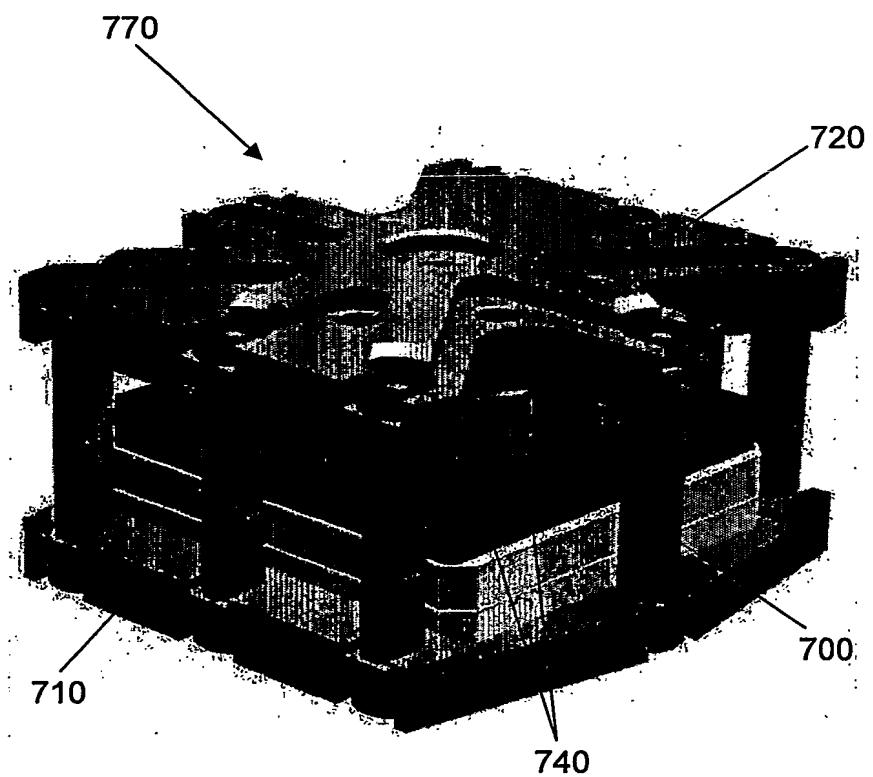


FIG. 32

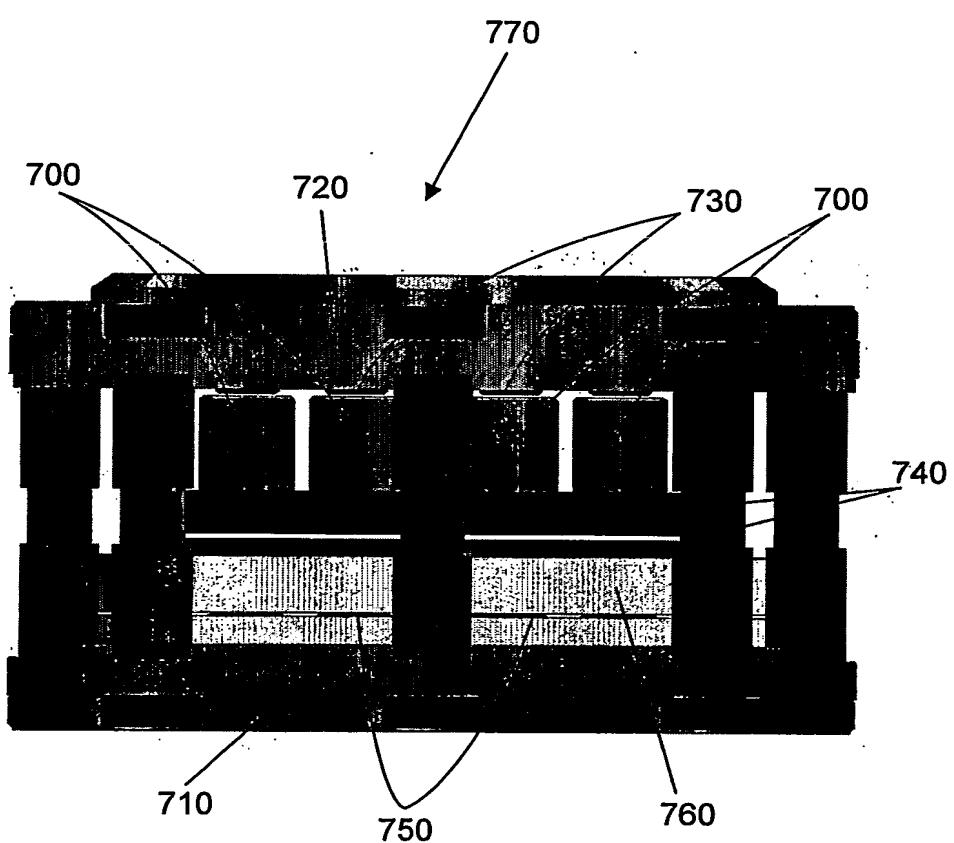


FIG. 33

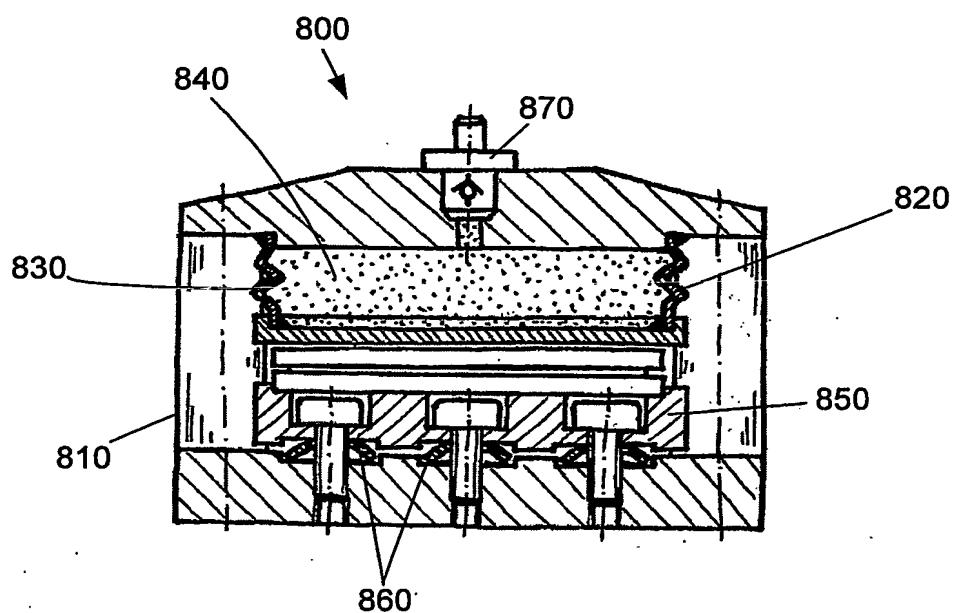


FIG. 34

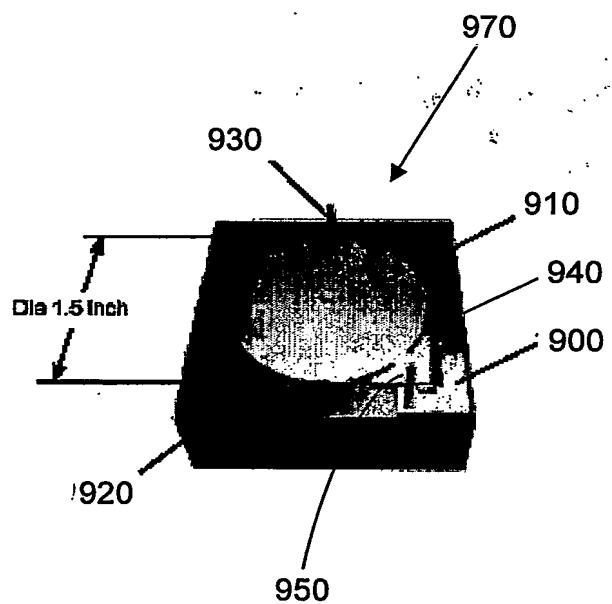


FIG. 35

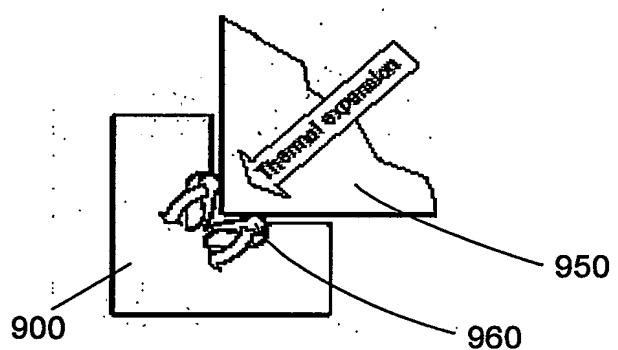


FIG. 36a

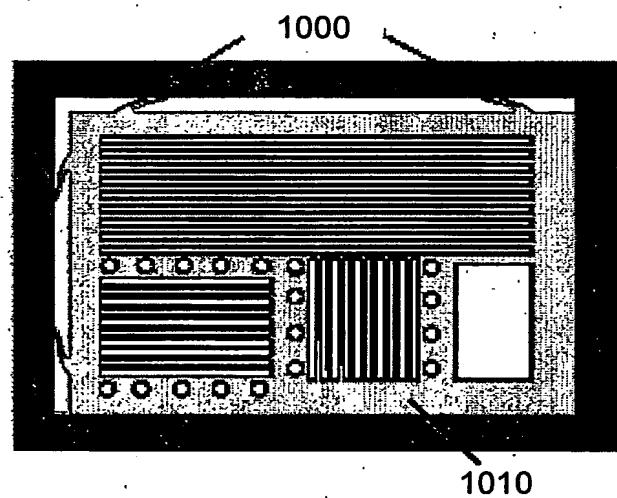
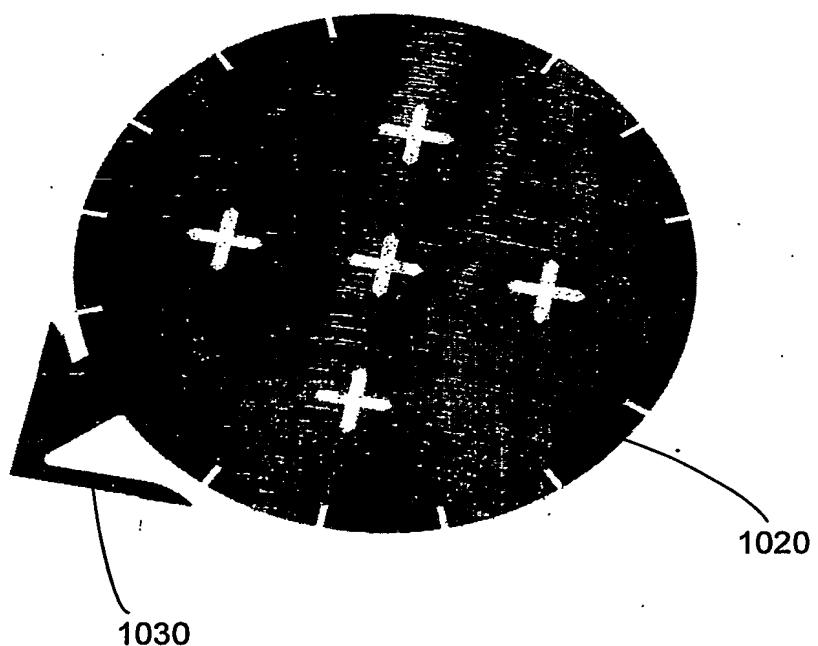


FIG. 36b



37a

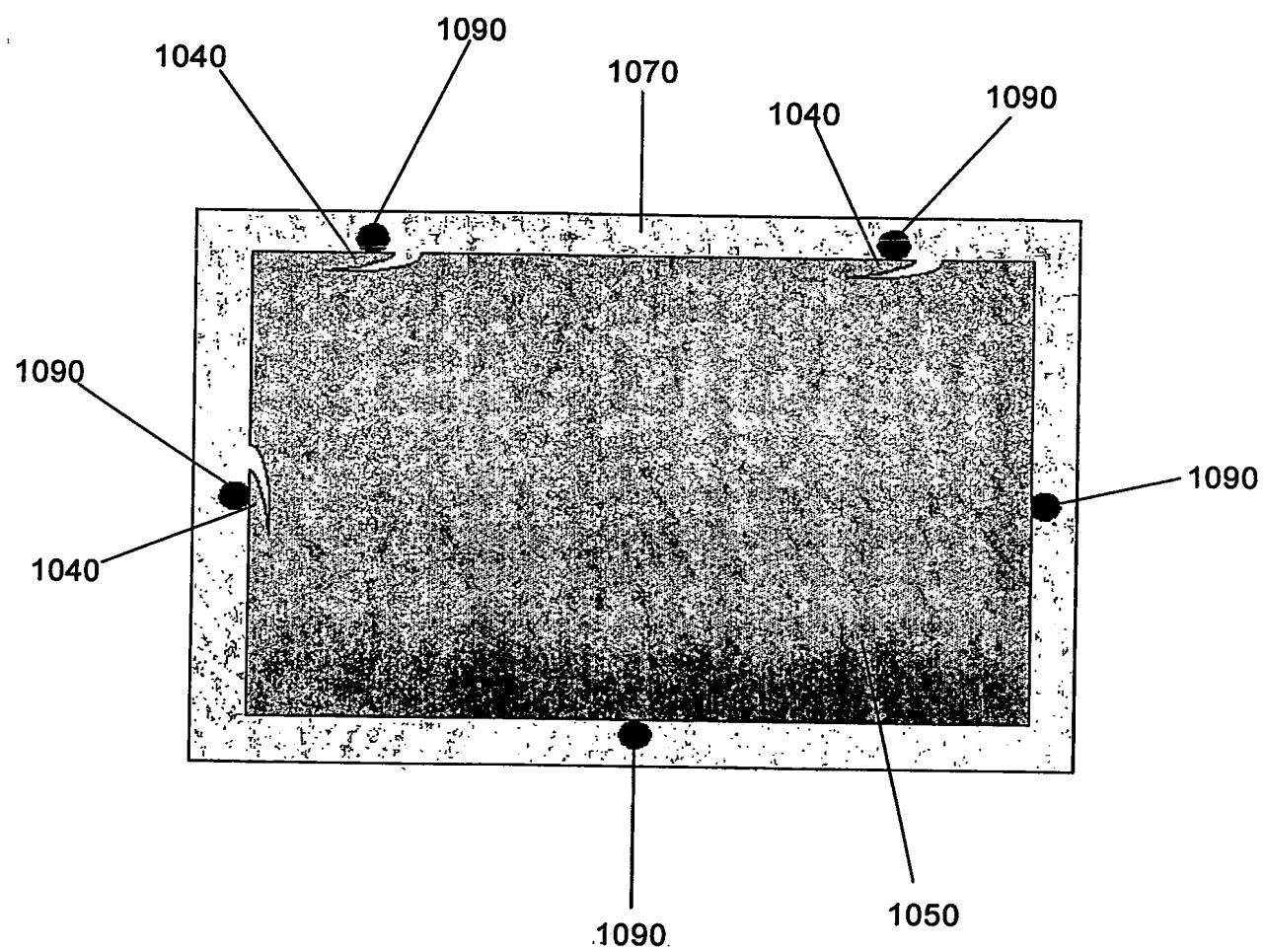


FIG. 37b

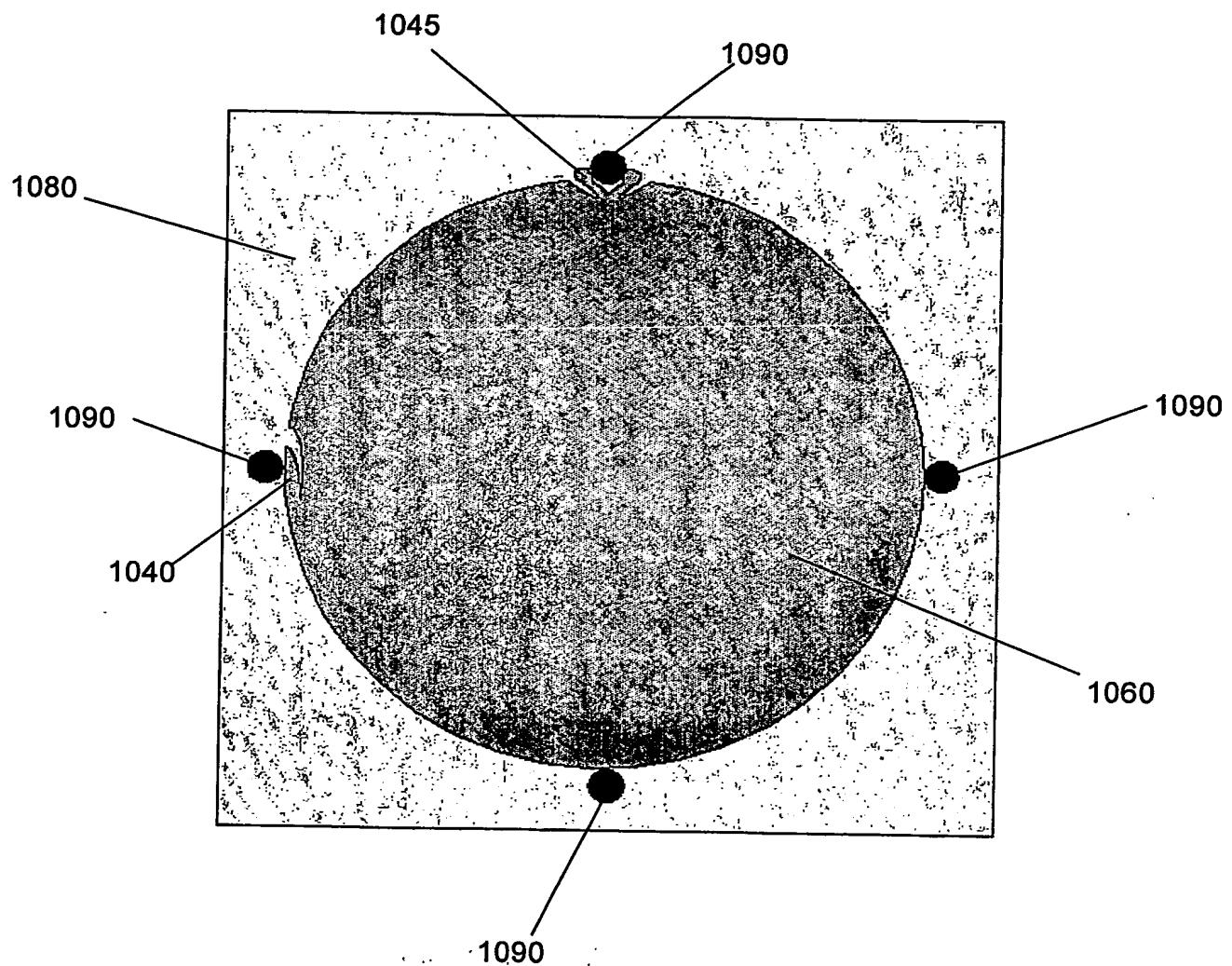


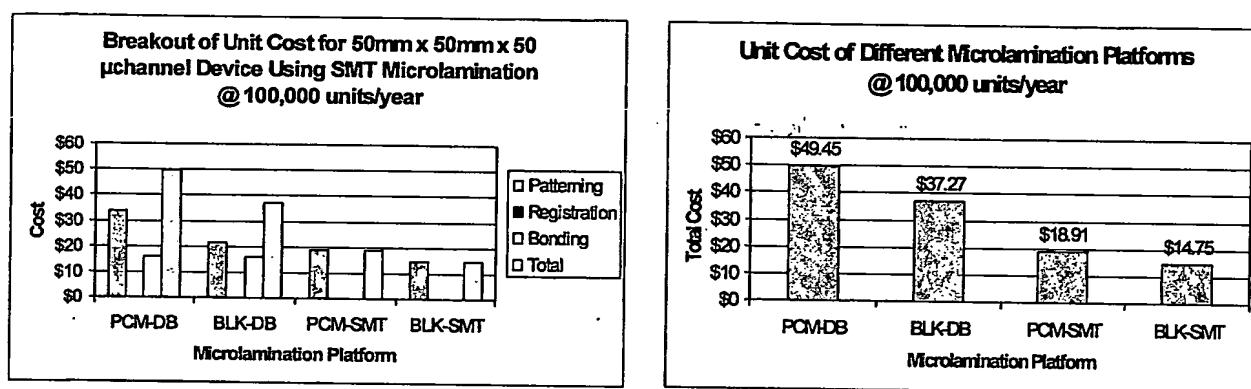
FIG. 38

FIG. 39

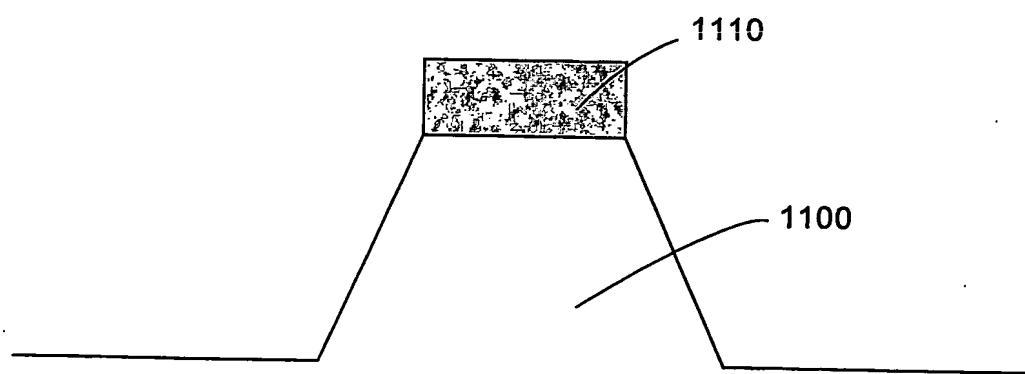


FIG. 40

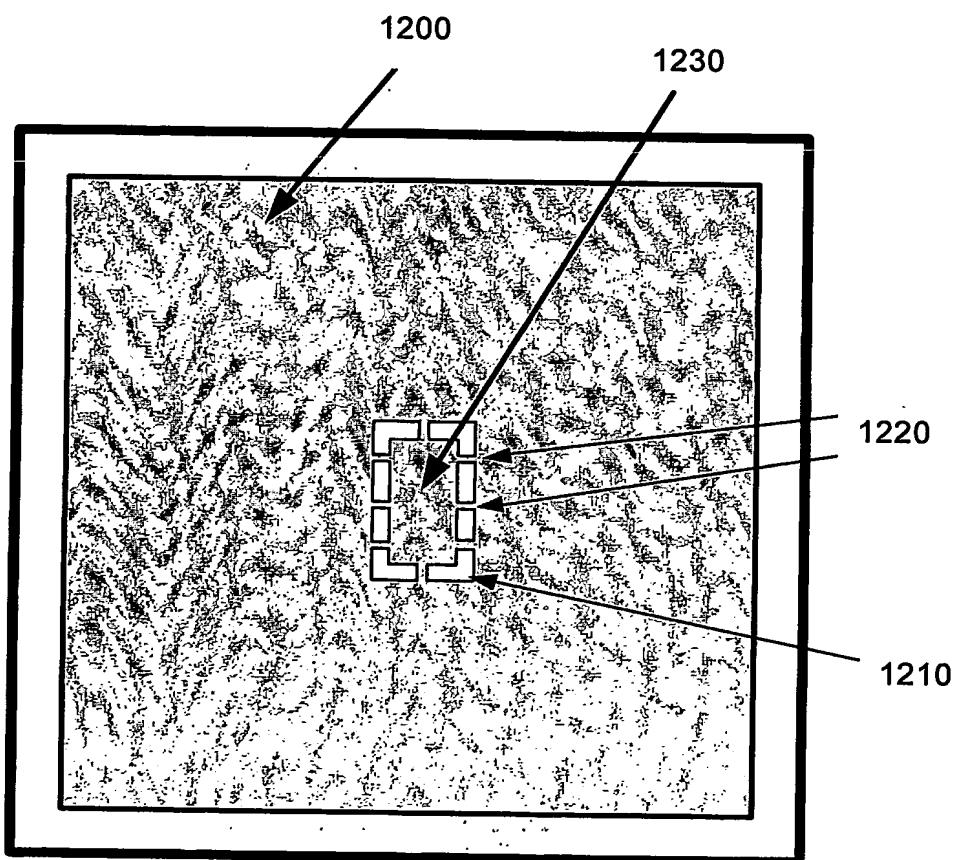


FIG. 41

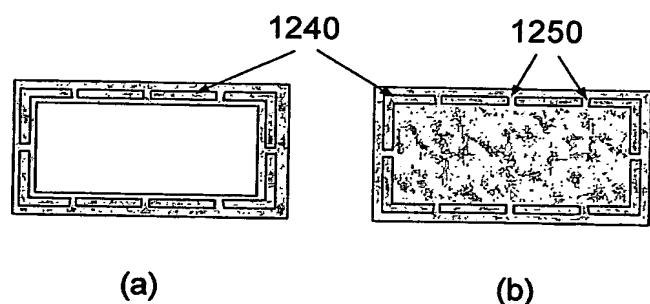


FIG. 42

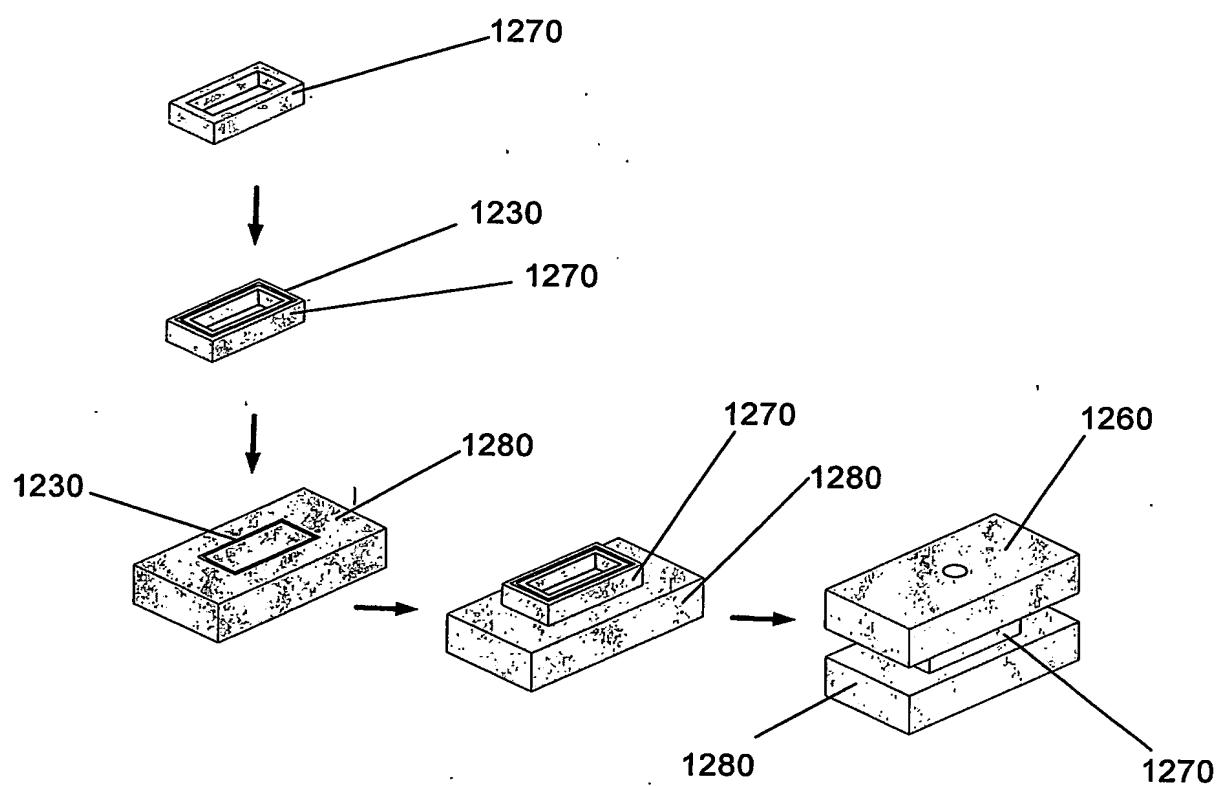


FIG. 43

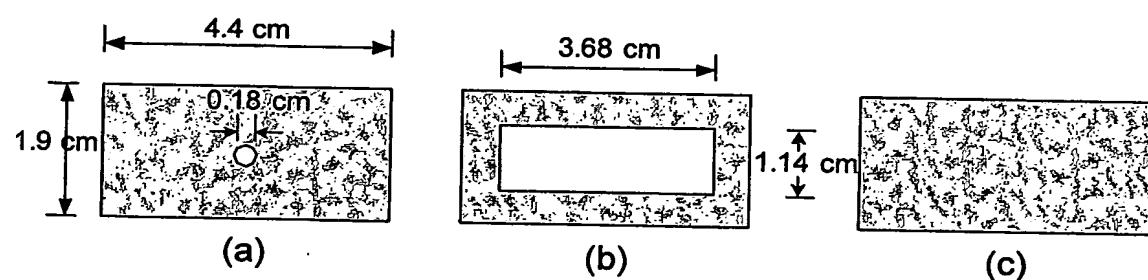


FIG. 44

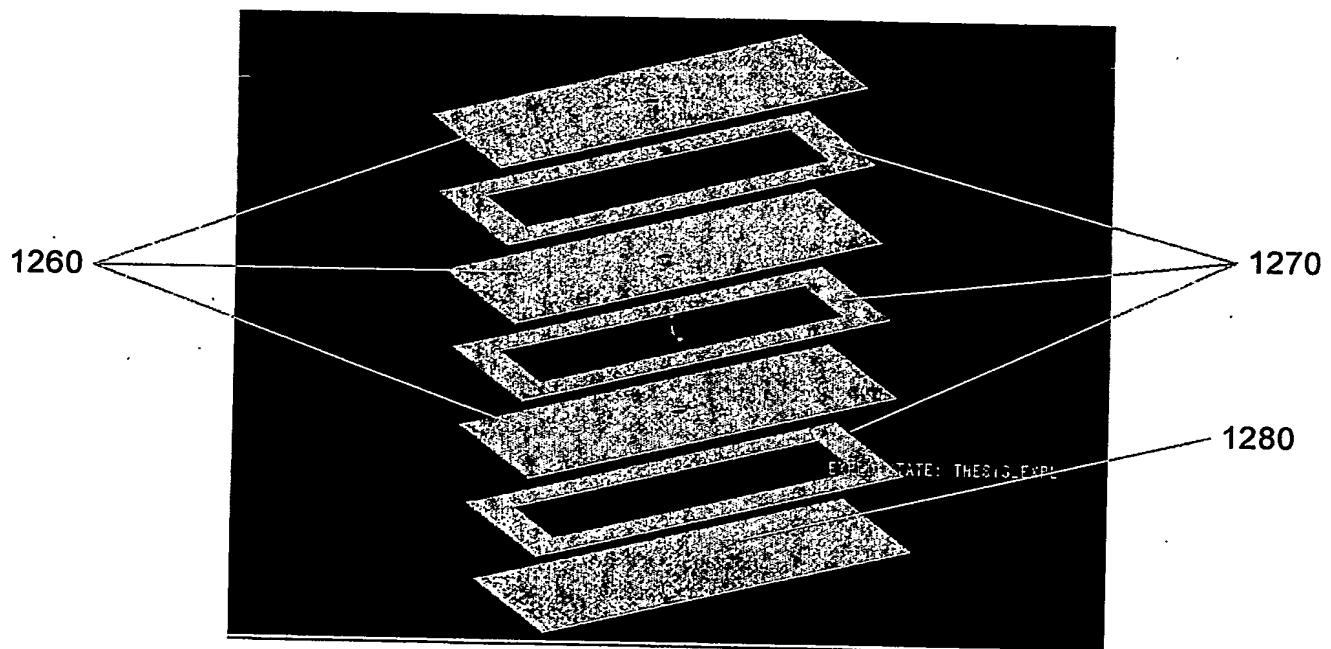


FIG. 45

Parameter	Value
Area of solder paste printed (A_p)	1.342 cm ²
Height of printed solder paste (t_p)	0.051 cm ²
Solids Loading (S)	50%
Spacer Area (A)	4.258 cm ²
Lamina thickness (t)	0.020 cm

FIG. 46

		Channel		
		Top	Middle	Bottom
Sample 1	Average Channel Height (microns)	273.7	273.0	263.0
	Standard Deviation	1.03	1.79	2.83
Percentage variation: $\pm 0.6\%$				
Sample 2	Average Channel Height (microns)	279.0	275.7	270.0
	Standard Deviation	2.83	5.16	1.09
Percentage variation: $\pm 1.1\%$				
Sample 3	Average Channel Height (microns)	268.7	272.3	263.0
	Standard Deviation	2.94	2.06	4.19
Percentage variation: $\pm 1.1\%$				
Overall Empirical Mean Channel Height		$270.9 \pm 1.2\%$		
Theoretical Mean Channel Height		267.2		

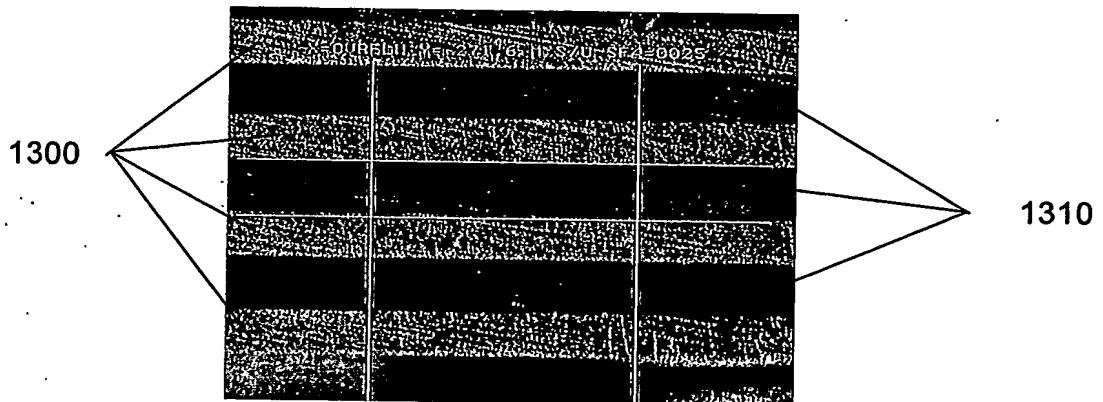
FIG. 47

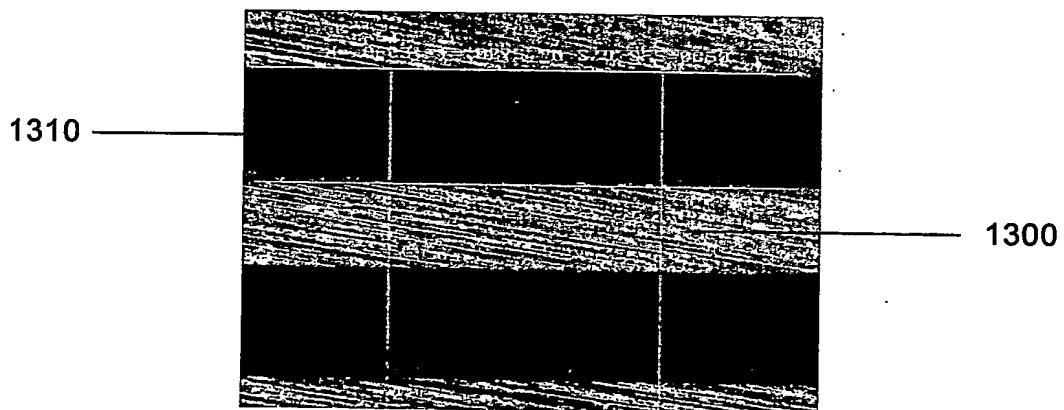
FIG. 48

FIG. 49

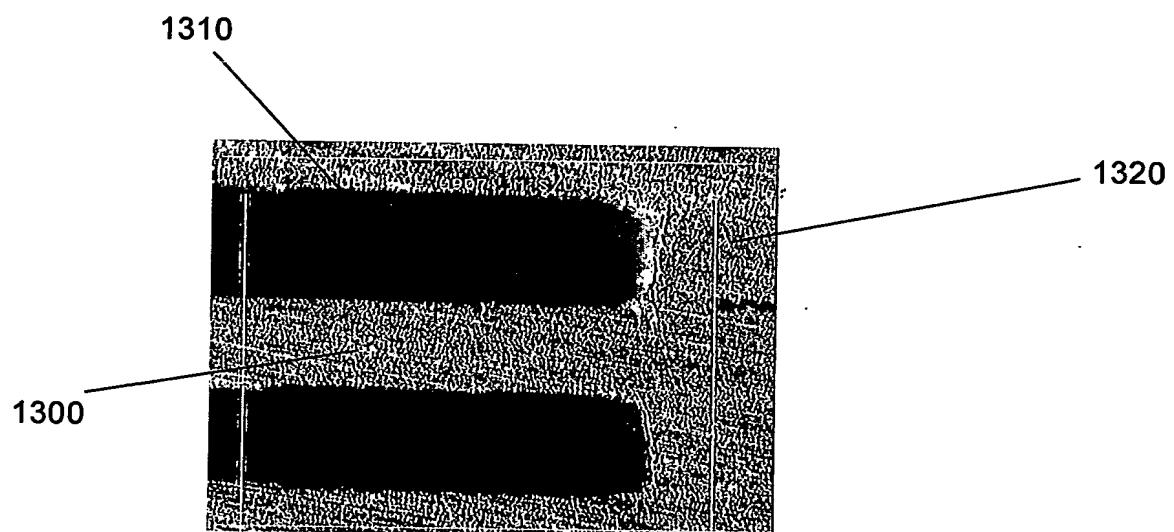
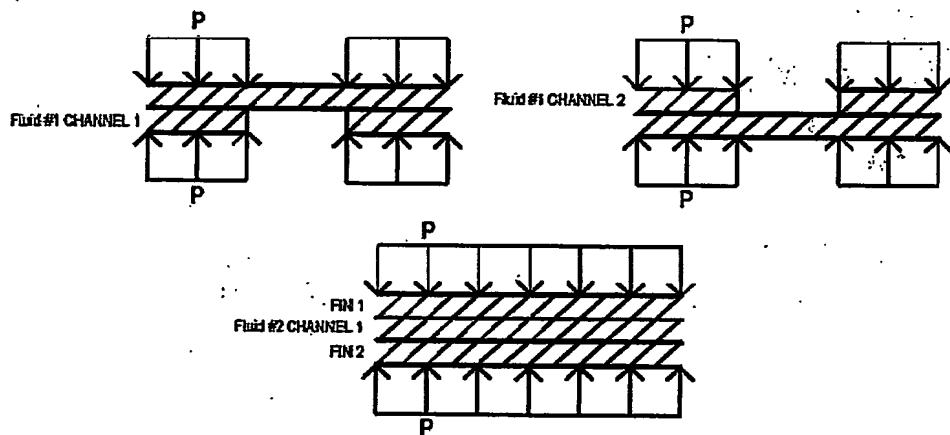


FIG. 50



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